

**What is Claimed is**

1. An electric cable for connecting mobile electric loads having at least two strands comprising insulated conductors stranded together, each strand having an insulation comprising two layers which are arranged one above the other and fixedly bonded together, an inner layer of the two layers being adjacent to the conductor and softer than an outer layer; the strands being surrounded by a common inner sheathing of insulation material which fills up outer gaps between the at least two strands; an electric shield; and an outer sheathing of insulation material,

wherein a separator layer (5) is provided between the strands (1) and the common inner sheathing (6), ensuring a relative mobility between the strands (1) and the common inner sheathing (6),

wherein the common inner sheathing (6) consists of two layers (6a, 6b) arranged one above the other and fixedly joined together, the inner layer (6a) facing the strands (1), and being softer than the outer layer (6b),

wherein the common inner sheathing (6) has an approximately circular peripheral surface and lies firmly against the separator layer (5), respectively, and

wherein the electric shield (7) which is arranged above the inner sheathing (6) comprises at least one essentially closed tubular metallic layer (12) and a stranded layer or braiding of metallic wires (13) situated in contact with the metallic layer (12), the outer sheathing (8) being positioned above the shield (7).

2. The cable according to Claim 1, wherein the separator layer (5) consists of stearate.

3. The cable according to Claim 1, wherein the separator layer (5) consists of cellulose.

4. The cable according to Claim 1, wherein the metallic layer (12) is fixedly joined to a plastic carrier (11) to form a ribbon (10) which is formed around the inner sheathing (6) with overlapping edges so that the metallic layer (12) is on the outside, and the metallic wires (13) are applied around the ribbon (10).

5. The cable according to Claim 1, wherein two metallic layers are fixedly joined to a plastic carrier (11) to form a ribbon (10), each on one side of same, and the ribbon (10) is applied with overlapping edges between two layers of metallic wires formed around the inner sheathing (6).

6. The cable according to Claim 4, wherein the plastic carrier (11) is a fleece.

7. The cable according to Claim 5, wherein the plastic carrier (11) is a fleece.

8. The cable according to Claim 1, wherein, when there are three or more strands (1), there is a central carrier (9) made of an insulation material around which the strands (1) are laid.

9. The cable according to Claim 1, wherein the inner sheathing (6) has a defined, clearly recognizable color.